

- 1 $[R] \rightleftharpoons [R^*]$
- 2 $[R] \rightleftharpoons [R^*] + [A] \rightleftharpoons [R^*A]$
- 3 $[IR] \rightleftharpoons [I] + [R] \rightleftharpoons [R^*] + [A] \rightleftharpoons [R^*A]$
- 4 $[R^a] \rightleftharpoons [R^{a*}]$
- 5 $[IR^a] \rightleftharpoons [I] + [R^a] \rightleftharpoons [R^{a*}]$
- 6 $[R^*] + [D] \rightleftharpoons [R^*D]$
 $\downarrow \qquad \qquad \qquad \downarrow$
 signal $\qquad \qquad \qquad *$

Figure 1

Figure 2

